

**REMARKS/ARGUMENTS**

**I.     Status of the Application**

Upon entry of this amendment, claims 1-8 are pending in the present Application. In an Office Action mailed on May 5, 2005, the Examiner rejected claims 1-5 under 35 U.S.C. 102(b) as being anticipated by U.S. Patent 5,343,092 (“Dhong”). The Examiner also objected to claims 6-8 as being dependent upon a rejected base claim, but stated that these claims would be allowable if rewritten in independent form.

**II.    The Presently Claimed Invention**

The presently claimed invention claims a circuit that outputs a bias signal that varies linearly with an input signal.

**III.   The Cited References**

The Dhong reference discloses a switching circuit that operates to switch between first and second prescribed states.

**IV.    Rejection of Claims 1-2 under 35 U.S.C. 102(b)**

The Examiner rejected claims 1-2 under 35 U.S.C. 102(b) as being anticipated by Dhong. Applicant herein amends claims 1-2 and respectfully submits that for the following reasons claims 1-2 are allowable over Dhong under 35 U.S.C. 102(b).

Claims 1-2 are allowable over Dhong under 35 U.S.C. 102(b) because Dhong fails to disclose or suggest all of the recited features of claims 1-2. Applicant herein amends claims 1-2 to claim a circuit that outputs “*a bias signal that varies linearly with and input signal.*” The amendments to claims 1-2 are fully supported in the specification and drawings.

Dhong fails to disclose or suggest a circuit that outputs a bias signal that varies linearly with an input signal. Dhong discloses a switching circuit that operates to switch the output signal only between first and second prescribed states (see Abstract).

Because Dhong fails to disclose or suggest all the recited claim limitations of claims 1-2, Applicant submits that claims 1-2 are allowable over Dhong under 35 U.S.C. 102(b) and

respectfully requests that the Examiner's rejection of claims 1-2 be withdrawn.

Claims 3-8

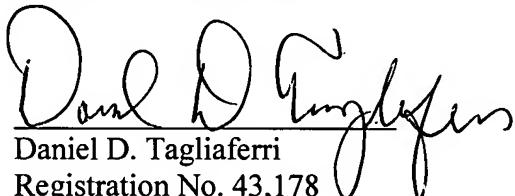
Claims 3-8 depend from claim 2. Since claim 2 is allowable (see above) claims 3-8 are allowable for at least the same reasons as claim 2. Therefore Applicant respectfully requests that the rejections and objections to claims 3-8 be withdrawn.

**CONCLUSION**

Upon entry of this amendment, claims 1-8 are pending in the present Application. Applicant respectfully submits that no new matter has been entered by way of this response to the Office Action.

Applicant believes that all pending claims are now in condition for allowance. Reconsideration of the rejections and objections is respectfully requested. If the Examiner believes that a telephone conference would expedite the prosecution of this Application, the Examiner is invited to call the undersigned attorney at (510) 521-6980.

Respectfully submitted,



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